Recreational Use Attainability Analysis

Cover Sheet

Water Body Name: Sanford Creek
Water Body Identification #: 1032
Completed UAA Checklist: Pre-Field Preparatory Data Sheet Maps with actual survey sites marked Data Sheet A Data Sheet B – 3 of 3 pages for each site Number of Sites: Data Sheet C (if applicable) Number of Interviews: Photographs Quantities Upstream Downstream Other
I, the undersigned, hereby affirm to the best of my knowledge, that all information reported in this UAA is true and accurate.
Signed:

<u>Pre-Field Preparatory Data Sheet</u> for Recreational Use Stream Surveys

Water Body Name: (from USGS 7.5' quad) San for O	Creek
8-digit HUC: N/A-	Missouri Water Body Identification (WBID) #: 1032
County: Cole	The second water body identification (WBID) #: 1032
Upstream Legal Description: 38. 4990	14 -02 N/750
Downstream Legal Description: 38, 50	1, 7d.06 159
Discharger Facility Name(s): (1) 5-7-1	
Discharger remit (valider(s):/ (///)/)/	1550
Weather Conditions for Past 7 days: 14	(NOUIZI355)
110	t, sunny, humid, raliny.

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest.

WBID# 1032

Date: 06/28/206

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet A - Water Body Identification

Sanford Water Body Name: Creek WBID #: 1032 Upstream Coordinates: 38.50728, 92.04033 (SITE 911) (WGS 84, ddd.ddddd) Downstream Coordinates: 38.50592, 92.02412 (SITE 922) (WGS 84, ddd.ddddd) Current Weather Conditions: Hot, humid Sunny Number of Sites Evaluated: 12 Name(s) of Surveyor(s): Colin Hill, Carolina Gallardo

Date: 06 / 28 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Latitude (ddd.dddd):			Arrival Time:	
Longitude (ddd.dddd):	92.04033		12	555
Photo Ids: Upstream:		Downstream:	Other:	
<u>6</u> 13		14		
rrative Description	of Location: (De	escribe access point to stream, ne	earby roads landmarks etc.)
2600m L	15 of site	915 (driveway	off of Hills	(3)
	•		r	・モーノ
			\mathcal{O}	
		promote or impede recreational		
rounding Condition				ence or unusual
rounding Conditions of interest.)	ns*: (Mark all that	promote or impede recreational	uses. Attach photos of evide	ence or unusual Campgrounds
rounding Conditions of interest.) City/county parks	ns*: (Mark all that	promote or impede recreational MDC conservation lands	uses. Attach photos of evide	ence or unusual
rounding Conditions of interest.) ☐ City/county parks ☐ Boating accesses ☐ No trespass sign	Playgrounds ☐ State parks ☐ Fence	promote or impede recreational MDC conservation lands National forests	uses. Attach photos of evide	ence or unusual Campgrounds
rounding Conditions of interest.) ☐ City/county parks ☐ Boating accesses ☐ No trespass sign man Uses Observed	□ Playgrounds □ State parks □ Fence	promote or impede recreational MDC conservation lands National forests Steep slopes	uses. Attach photos of evidence Urban areas Nature trails Other:	ence or unusual Campgrounds Stairs/walkway
rounding Conditions of interest.) City/county parks Boating accesses No trespass sign man Uses Observed Swimming	Playgrounds State parks Fence Skin diving	promote or impede recreational MDC conservation lands National forests Steep slopes	uses. Attach photos of evided Urban areas Nature trails Other:	ence or unusual Campgrounds Stairs/walkway
rounding Conditions of interest.) ☐ City/county parks ☐ Boating accesses ☐ No trespass sign man Uses Observed	□ Playgrounds □ State parks □ Fence	promote or impede recreational MDC conservation lands National forests Steep slopes	uses. Attach photos of evidence Urban areas Nature trails Other:	ence or unusual Campgrounds Stairs/walkway

Evidence of Human Use*:

				T
☐ Roads	☐ Foot paths/prints	☐ Dock/platform	☐ Livestock Watering	☐ RV / ATV Tracks
			Zivestock (vatering	L KV/AIV Iracks
☐ Rope swings	☐ Camping Sites	☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
Other:				

Sources of Pollution: (e.g., trash dumping, tires, drainages, discharges, etc.)

Oced (1 Air 6/28

Date: <u>06 / 28 / 2006</u>

Data Sheet B - Site Characterization - 2 of 3

	View Physical Din Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m
□ Riffle					
□ Run					
X Pool	2 600 m	7	10	0.3	0.42
Flow	Present?	No	Velocity (ft/sec):		
Downstrean	n View Physical D)imensions:			
	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
□ Riffle					
□ Run					
Pool	F90	6	0	77-	~ ~ =
	210	(9	1 %	1 0.25 1	0.5
	Present?	© ⊠No	Velocity (ft/sec):	0.35	0,5
□ Flow		⊠No		0.35	U,5
□ Flow Distrate*: (The strate of the strate)	hese values should add	No 100%.)	Velocity (ft/sec):		
□ Flow	hese values should add	No 100%.)	Velocity (ft/sec):	0. 3'5 Silt 20 % Mud/Clay	
□ Flow Distrate*: (T) 5 % Co	hese values should add	No 100%.) aravel 20 %	Velocity (ft/sec): Sand 5 %	Silt ZO % Mud/Clay	
□ Flow Distrate*: (T) 5 % Co	hese values should add	No 100%.)	Velocity (ft/sec): Sand 5 %	Silt ZO % Mud/Clay	
□ Flow Distrate*: (T) 5 % Co	hese values should add	No No l up to 100%.) bravel 20 %	Velocity (ft/sec): Sand 5 %	Silt ZO % Mud/Clay	
□ Flow Distrate*: (T) 5 % Co	hese values should add	No No l up to 100%.) bravel 20 %	Velocity (ft/sec): Sand 5 %	Silt ZO % Mud/Clay	
□ Flow Distrate*: (The strate of the strate) Solve of the strate of t	hese values should add obble 50 % G	No lup to 100%.) travel 20 % state of vegetation or algal	Velocity (ft/sec): Sand 5 %	Silt ZO % Mud/Clay	
□ Flow Distrate*: (The strate of the strate) Solve of the strate of t	hese values should add	No No l up to 100%.) bravel 20 % state of vegetation or algal that apply.)	Velocity (ft/sec): Sand 5 % growth at the assessment	Silt ZO % Mud/Clay	
Distrate*: (T) 5 % Co uatic Vegeta N/A ter Charact	hese values should add obble 50 % G ation*: (Note amount	No I up to 100%.) I ravel 20 % if the state of vegetation or algalest that apply.) Musky	Velocity (ft/sec): Sand 5 % growth at the assessment Chemical	Silt ZO % Mud/Clay ent site.) Jone Other:	
Distrate*: (T) 5 % Co uatic Vegeta N/A ter Charact Odor:	hese values should addobble 50 % G ation*: (Note amount eristics*: (Mark all Sewage	I up to 100%.) travel 20 % is tof vegetation or algal that apply.) Musky Green	Velocity (ft/sec): Sand 5 % growth at the assessment Chemical	Silt ZO % Mud/Clay ent site.) Jone	

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

WBID	#	1032	_Site#	911
Date:	06/	28 /	- 2006	

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).	

Date: 06/28/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C - Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live : If so, how	in the area? ☐ w long have you	Yes □ No	——————	views)
2. Have you per If so, ples	rsonally used th	is water body for re that apply:	ecreation since 1975?	□ Yes □ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	□ Fishing	☐ None of the above	☐ Other:
3. Have you obs	☐ 1 – 5 time. ☐ Less than ————————————————————————————————————	5 times per year s per year 1 time per year – p	lease describe: for recreation since 1	
11 so, piea	se check ALL t	hat apply:		1 110
Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
		rved it being used for times per year per year time per year		
4. Additional Co	mments:			
Contact Information Name:	tion (if willing t	o provide):		

Address:

Date: 06/28/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

		She	et B must be completed	d for each site)	
Latitude (ddd.dddd):				Arrival Time:	
Longitude (ddd.dddd):	92.03994		1545		
Photo Ids: Upstream:	I	Down	stream:	Other:	· · · · · · · · · · · · · · · · · · ·
BII	in condect.				
			Y II	tures labelled Should be arby roads, landmarks etc	e Cile Old
rrative Description	of Location: (De	scribe	e access point to stream, ne	arby roads, landmarks, etc.	0 3110 412
$\times510\mathrm{m}$	us of site	9	.15 (drivawa	y off of Hwy	43) 91
				0 , , ,	
rounding Conditio	noki (M. d. d. d. d. d.				
s of interest.)	iis": (Mark all that p	oromo	ote or impede recreational u	uses. Attach photos of evid	ence or unusual
☐ City/county parks	☐ Playgrounds		MDC conservation lands	☐ Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks		National forests	☐ Nature trails	
☐ No trespass sign	☐ Fence		Steep slopes	Other:	☐ Stairs/walkway
				Other.	
man Uses Observed					
☐ Swimming	☐ Skin diving		☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking		☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	****	☐ Fishing g, frequency of use, photo-	None of the above	☐ Other:
dence of Human Us	e*:				
□ Roads	☐ Foot paths/prin	ts	☐ Dock/platform	☐ Livestock Watering	□ RV / ATV Tracks
☐ Rope swings	☐ Camping Sites		☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
☐ Other:				1	Tishing Tackie
rces of Pollution: (e.			rainages, discharges, etc.)		
.^	*	< F	oictures so	ay site 91	4-should
	of All		٨	1001	0.15

Date: 06/ 28/ 2006

Data Sheet B - Site Characterization - 2 of 3

Stream Morphology:
Upstream View Physical Dimensions:

Distance from access point (m) Width (m) Length (m) Avg. Depth (m) Ma

	access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle					
□ Run					
Pool	590	4	25	0.25	135
Flow	Present? ☐ Yes	D No	Velocity (ft/sec):	0.20	U - U - U - U - U - U - U - U - U - U -

Downstream View Physical Dimensions:

	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
□ Riffle					
□ Run					
Pool	565	2	7	0.3	0.4
Flow	Present?	∕ÇX Ño	Velocity (ft/sec):		<i>Oc /</i>

Substrate*: (These values should add up to 1	00%.)			
30 % Cobble 30 % Gravel	ID % Sand	% Silt /(% Mud/Clay	7/7 % Bedrock

A	quatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.))

N/A	
, , , , , , , , , , , , , , , , , , ,	

Water Characteristics*: (Mark all that apply.)

104			· · · · · · · · · · · · · · · · · · ·			
Odor:	☐ Sewage	☐ Musky	☐ Chemical	None	☐ Other:	
Color:	☐ Clear	☐ Green				
	<u> </u>	C Green	□ Gray	Milky	☐ Other:	
Bottom Deposit:	☐ Sludge	☐ Solids	Fine sediments	□ None	☐ Other:	
Come D		. /			Other.	
Surface Deposit:	☐ Oil	⊠ Scum	☐ Foam	□ None	☐ Other:	
					0	

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WBID	#	1032	Site #	912
		00		

Date: 06/28/2006

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique conditions, problems in measuring, site relocation).	ue local

WBID# 1032 Site# 912

Date: 06/28/2006

Telephone #:

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

2. Have you pe If so, ple		lived here?is water body for rethat apply:	ecreation since 1975?	□ Yes □ No	
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing	
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting	
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:	
☐ 1 - 5 times per year ☐ Less than 1 time per year - please describe: ☐ So, please check ALL that apply: ☐ Less than 1 time per year - please describe: ☐ No					
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing	
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	Rafting	
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:	
[for recreation? ease describe:		
4. Additional Co	omments:				

Date: 06/28/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

Latitude (ddd.dddd):	IN TATOR		*			
Longitude (ddd.dddd):	99 NZ752				Arrival Time:	つか
Photo Ids: Upstream:		Down	stream:			
(B) 199	•		109		other:	
(s) (sx10)	· · · · · · · · · · · · · · · · · · ·		10 1		10	
Narrative Description	of Location: (De	scribe	e access point to stream, nea	ırby road	s, landmarks, etc.)	
x 350 m	from 5H	c ,	BY 915 (DI	avew	ay off of	Hwy(3)
Surrounding Condition items of interest.)	18*: (Mark all that	promo	ote or impede recreational u	ses. Atta	ch photos of evide	nce or unusual
☐ City/county parks	☐ Playgrounds		MDC conservation lands	□ Url	oan areas	☐ Campgrounds
☐ Boating accesses	☐ State parks		National forests	☐ Nat	ure trails	☐ Stairs/walkway
☐ No trespass sign	☐ Fence	X	Steep slopes IIB	☐ Oth	er:	
Human Uses Observed	*•					
☐ Swimming	☐ Skin diving		☐ SCUBA diving	☐ Tu	bing	☐ Water skiing
☐ Wind surfing	☐ Kayaking		☐ Boating	☐ Wading		☐ Rafting
☐ Hunting	☐ Trapping		☐ Fishing	None of the above		
Evidence of Human Use			g, frequency of use, photo-c	ocument	ation of evidence	or recreational uses, etc.)
☐ Roads	☐ Foot paths/prin	ts	☐ Dock/platform	□ Live	estock Watering	□ RV / ATV Tracks
☐ Rope swings	☐ Camping Sites		☐ Fire pit/ring		DES Discharge	☐ Fishing Tackle
☐ Other:			1 5		725 Discharge	□ Fishing Tackle
Sources of Pollution: (e.g						
Oced Ca	* 1	10 6/	tures were should be	lab	113 NC	ONG IT 914

Date: 06/28/2006

Data Sheet B - Site Characterization - 2 of 3

Stream Morphology:
Upstream View Physical Dimensions:

Distance from Width (m) Length (m) Avg Depth (m) Morphology

	access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle					
□ Run					
X Pool	× 350	4	8	045	0 (2
Flow	Present?	Ø No	Velocity (ft/sec):	1()	0.0

Downstream View Physical Dimensions:

	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
□ Riffle					. ,
□ Run					
Pool	≈ 335	5	15	0.35	0.54
Flow	Present?	ΧNo	Velocity (ft/sec):		

Su <u>bstrate*:</u>	(These	values	should	add up	to 100%.)
---------------------	--------	--------	--------	--------	-----------

	,	10070.)			
5 % Cobble	200/ C1	26 010			
	30% Gravel	SO % Sand	5 % Silt	RA % Mud/Class	0/ 73 1 1
				≤6 % Mud/Clay	% Bedrock

Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.)

	s and the assessment site.)
1 A	
1 18 \ / /\	
NIX	
1 ' 1 ' \	
,	
ì	

Water Characteristics*: (Mark all that apply.)

Odor:						
Odor:	☐ Sewage	☐ Musky	☐ Chemical	None	☐ Other:	
Color:	☐ Clear	☐ Green	☐ Gray	Milky	Other:	
Bottom Deposit:	□ Sludge	□ Solids	Fine sediments		☐ Other:	
Surface Deposit:	□ Oil	□ Scum	☐ Foam	None	☐ Other:	
			· · · · · · · · · · · · · · · · · · ·			

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WBID# 1032 Site# 913

Date: 06 / 28 / 2006

Data Sheet B - Site Characterization - 3 of 3

eparture (e.g., unanticipated unique local
•

WBID a	# <u> </u>	Site #	+ 913
Date:	06/28	1 2006	

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews
(Make additional copies as necessary for multiple interviews)

			sary for multiple inter-	views)
1. Do you live i If so, how	n the area? Valong have you			
2. Have you per If so, plea	rsonally used thi	s water body for re	ecreation since 1975?	□ Yes □ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
3. Have you obs	☐ 1 – 5 times ☐ Less than ————————————————————————————————————	5 times per year s per year 1 time per year – pl	lease describe:	
☐ Swimming	se check ALL the Skin diving			
☐ Wind surfing	☐ Kayaking	☐ SCUBA diving ☐ Boating	☐ Tubing ☐ Wading	☐ Water skiing
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Rafting ☐ Other:
]]		rved it being used f 5 times per year per year time per year – pl	For recreation?	
4. Additional Co	mments:			
Contact Informa Name:	tion (if willing t	to provide):		

Address:

Date: 06/28/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3 (A separate Data Sheet B must be completed for each

		SHC	n B must be completed	1 for each site)	
Latitude (ddd.dddd):	38.50893		100	Arrival Time:	
Longitude (ddd.dddd):	92.0355	5		ĮF	510
Photo Ids: Upstream:			stream:	Other:	710
(B) Ch/	5	Î G	aX (a	77	
			<u>x</u> · <u>y</u>	(g /0 1	
Narrative Description 150 m	of Location: (De	scribe	e access point to stream, ne	arby roads, landmarks, etc.) CH 1/13
N150 m	US of site	0	915 (BRIDGE C	ROSSIMG STREAM I	OFF IN DAIVENAY
@ 9210 HW	(63)		~		,
Surrounding Condition items of interest.)	ns*: (Mark all that	promo	ote or impede recreational u	uses. Attach photos of evid	ence or unusual
					<u> </u>
☐ City/county parks	□ Playgrounds		MDC conservation lands	☐ Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks		National forests	☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	☐ Fence	X	Steep slopes (S B)	☐ Other:	
Human Uses Observed	!*:				
☐ Swimming	☐ Skin diving		☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking		☐ Boating	□ Wading	☐ Rafting
☐ Hunting	□ Trapping	***		None of the above	D 044
Describe: (include numb	er of individuals rec	reatin	g, frequency of use, photo-	documentation of evidence	of recreational uses, etc.)
					,
3 · 1 · 0 · v	_	,			
Evidence of Human Us	e*:		T	T	
Roads (HWY)	☐ Foot paths/prin	ts	☐ Dock/platform	☐ Livestock Watering	☐ RV / ATV Tracks
☐ Rope swings	☐ Camping Sites		☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle
☐ Other:					
lanna af P					
Sources of Pollution: (e.	g., trash dumping, ti	es, di	rainages, discharges, etc.)		
		······································			
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WBID #_____1032_ Site #____914

Date: 06/28 / 2006

Surface Deposit:

□ Oil

Data Sheet B - Site Characterization - 2 of 3

Stream Morphology: **Upstream View Physical Dimensions:** Distance from Width (m) Length (m) Avg. Depth (m) access point (m) Max Depth (m) ☐ Riffle □ Run

XI Pool 0.6 ☑ Flow Present? ☐ Yes Velocity (ft/sec): **Downstream View Physical Dimensions:** Distance from Width (m) Length (m) access point (m) Avg. Depth (m) Max Depth (m) ☐ Riffle □ Run X Pool 10 0.7 0.85 Flow Present? ☐ Yes No Velocity (ft/sec): Substrate*: (These values should add up to 100%.) % Cobble 30 % Gravel 30 % Sand % Silt % Mud/Clay % Bedrock Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.) NIA

/ 1			<u></u>			
Water Characte	eristics*: (Mark a	ll that apply.)	\$			***************************************
Odor:	☐ Sewage	□ Musky	☐ Chemical	None	☐ Other:	***************************************
Color:	☐ Clear	☐ Green	☐ Gray	Milky	Other:	
Bottom Deposit	t: 🗆 Sludge	☐ Solids	Fine sediments			

Fine sediments

□ None

□ None

☐ Other:

☐ Other:

🛛 Foam

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⊠ Scum

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WBID	#	103;	7_	Site #	914
Date:	061	28	/	200to	

Data Sheet B - Site Characterization - 3 of 3

omments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local onditions, problems in measuring, site relocation).	
	_

Date: 06/28/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C - Interviews

(Make additional copies as necessary for multiple interviews)

	w long have you	lived here?	ecreation since 1975?	
If so, ple	ase check ALL t	hat apply:	ccreation since 1973?	L Yes LINO
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
3. Have you ob:	☐ 1 – 5 times ☐ Less than ————————————————————————————————————	1 time per year – p	lease describe:	
If so, plea	ase check ALL t	hat apply:		
Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	Boating	□ Wading	☐ Rafting
☐ Hunting	☐ Trapping	Fishing	☐ None of the above	☐ Other:
			for recreation? ease describe:	
4. Additional Co	omments:			
Contact Informa Name:	ition (if willing	to provide):		

Address:

Date: 06/ 28/ 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

				· · · · · · · · · · · · · · · · · ·	
Latitude (ddd.dddd):	8.50816			Arrival Time:	
Longitude (ddd.dddd):	92.03390			1455	
Photo Ids: Upstream:		Downstream:		Other:	
B B	1	3,4			
Narrative Description	of Location: (De	scribe access point to	stream, neart	oy roads, landmarks, etc.)	,
Driveway o	5(6)			e#6210) \$R11	
Surrounding Condition items of interest.)	18*: (Mark all that p	promote or impede re	creational use	es. Attach photos of evide	nce or unusual
☐ City/county parks	☐ Playgrounds	☐ MDC conservat	ion lands	☐ Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks	☐ National forests		☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	☐ Fence	☐ Steep slopes		Other: Private	residence.
Human Uses Observed	*•				
☐ Swimming	☐ Skin diving	☐ SCUBA d	iving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating		□ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing		None of the above	☐ Other:
Describe. (include numb	er or individuals rec	reating, frequency of	use, photo-do	cumentation of evidence	of recreational uses, etc.)
Evidence of Human Use					1
Roads	☐ Foot paths/prin	ts Dock/plan	form	☐ Livestock Watering	☐ RV / ATV Tracks
☐ Rope swings	☐ Camping Sites	☐ Fire pit/ri	ng	☐ NPDES Discharge	☐ Fishing Tackle
Other: private	VERBICLIA	od visider	NCL_		
Sources of Pollution: (e.	وم., trash dumping, ti	es, drainages, discha	rges, etc.)		

Qcd (1/20

BrD # //	032 Site# 91	15
nte: <u>06 / .</u>	<u> 28 1</u> 2006	
		Sheet B
ream Morn	hology	
ream Morp Upstream	View Physical Dime Distance from	
_	View Physical Dime	ensions: Widt
Upstream	View Physical Dime Distance from	

Data Sheet B - Site Characterization - 2 o
--

	Distance from access point (m)	Width (m)	Length (m	n)	Avg. Depth (m)	Max Depth (m
☐ Riffle						
□ Run						
Pool	5	+	8		0.5	0.7
Flow	Present?	No.	Velocity (ft/sec	:):		
Downstrea	m View Physical I	Dimonsions:				
Jon Histi ca	Distance from access point (m)	Width (m)	Length (m)) .	Avg. Depth (m)	Max Depth (m)
□ Riffle						
□ Run						
□ Pool	15	6	10		0.45	0,6
X Flow	Present?	j∕a No	Velocity (ft/sec):	0, 10	0,0
					The second secon	
	These values should ad Cobble 20% (Sand	% Silt	750/151/01	
	30700	Jiavei 50 %	Sand	% Silt	30% Mud/Clay	% Bedro
ıatic Veget	tation*: (Note amour	t of vegetation or alga	l growth at the asse	ssment site	e.)	
Floatin	malgal is	very abunda	ant.			
))					
				****		······
	cteristics*: (Mark all	that apply.)				
		☐ Musky ☐	Chemical	□ None	∫XOther: (xigae.
Odor:	☐ Sewage				93(Omer. (1000
	□ Sewage □ Clear		_	☐ Milky	☐ Other:	31000
Odor:	Clear] Gray			31000

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

WBID# 1032 Site# 915

Date: 06/28 / 2006

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).	
·	

Date: 06/28/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C - Interviews

(Make additional copies as necessary for multiple interviews)

1. Do you live i	in the area?			views)		
2. Have you per If so, ples	rsonally used thi	is water body for re hat apply:	ecreation since 1975?	□ Yes □ No		
	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing		
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting		
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	□ Other:		
How often do you use it for recreation? More than 5 times per year 1 - 5 times per year Less than 1 time per year - please describe: 3. Have you observed others using this water body for recreation since 1975? No						
If so, plea ☐ Swimming	ase check ALL t					
☐ Wind surfing	☐ Skin diving	☐ SCUBA diving	Tubing	☐ Water skiing		
☐ Hunting	☐ Kayaking ☐ Trapping	☐ Boating ☐ Fishing	☐ Wading ☐ None of the above	☐ Rafting ☐ Other:		
 	How often have you observed it being used for recreation? More than 5 times per year 1 - 5 times per year Less than 1 time per year – please describe:					
4. Additional Co		to provide):				

Address:

Date: 06/28/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

Longitude (ddd.dddd):	91 10111					
	1 <i>a・</i> 0つ04ろ	1320				
Photo Ids: Upstream:		Oownstream:	Other:			
A 22		2 3 .				
arrative Description	of Location: (Des	scribe access point to stream,	nearby roads, landmarks, etc.)		
		l crossing-				
urrounding Conditio	ons*: (Mark all that p	promote or impede recreation	al uses. Attach photos of evide	ence or unusual		
☐ City/county parks	☐ Playgrounds	☐ MDC conservation land	s 🗆 Urban areas	☐ Campgrounds		
☐ Boating accesses	☐ State parks	☐ National forests	☐ Nature trails	☐ Stairs/walkway		
☐ No trespass sign	☐ Fence	☐ Steep slopes	☐ Other:	☐ Other:		
uman Uses Observed	i*:					
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing		
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting		
☐ Hunting	☐ Trapping	☐ Fishing	None of the above	☐ Other:		
Describe. (merude nume	oci or individuals reco	cating, requestey of use, pile	oto-documentation of evidence	of recreational uses, etc.)		
vidence of Human Us	se*:					
Roads	☐ Foot paths/prin	ts Dock/platform	☐ Livestock Watering	□ RV / ATV Tracks		
☐ Rope swings	☐ Camping Sites	☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle		
☐ Other:						
CD-H-A		19.70				
ources of Pollution: (e	e.g., trash dumping, ti	res, drainages, discharges, etc	c.)			

and a Hin a/28

	Data	a Sheet B - Site Cl	naracterization – 2 o	of 3	
oom Mon					
eam Mor Upstream	phology: View Physical Dim	nensions:			
	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle					
□ Run			6 28 (G		
Pool	30	6.5	30 4	0.3	0.42
Flow	Present?	No No	Velocity (ft/sec):		
	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
	access point (iii)				
□ Riffle	uccess point (iii)				
□ Run				2	
□ Run	20	ψ	20	0.45	0.65
□ Run		φ XNo	ZO Velocity (ft/sec):	0.45	0.65
□ Run Pool Flow	20 Present?	No		0.45	0.65
□ Run □ Pool □ Flow □ Strate*:	20	No d up to 100%.)			
Run Pool Flow Strate*: 4	Present? ☐ Yes (These values should add Cobble 50 % C	No d up to 100%.) Gravel 20 %	Velocity (ft/sec): Sand % S		% Bedroc

Odor:	☐ Sewage	☐ Musky	☐ Chemical	□ None	XOther: Algal
Color:	□ Clear	☑ Green 15 H	□ Gray	Milky	Other:
Bottom Deposit:	□ Sludge	□ Solids	☑ Fine sediments	□ None	☐ Other:
Surface Deposit:	□ Oil	Scum	☐ Foam	□ None	☐ Other:

QOA Di AM 6/28

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

WBID	#	1032	_	Site #	916
Date:	06.	128	12	-006	

Data Sheet B - Site Characterization - 3 of 3

al

WBID	#	1032	Site#_	916
Date:	06	1 2812	.006	,

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

1 5 1' '		_	sary for muniple interv	views)		
1. Do you live i If so, hov		Yes UNo lived here?		•		
2. Have you per If so, plea	rsonally used thi	s water body for re hat apply:	creation since 1975?	□ Yes □ No		
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing		
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting		
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:		
	How often do you use it for recreation? More than 5 times per year 1 - 5 times per year Less than 1 time per year – please describe:					
If so, plea	served others usi	ng this water body hat apply:	for recreation since 1	975? □ Yes □ No		
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing		
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting		
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:		
How often have you observed it being used for recreation? ☐ More than 5 times per year ☐ 1 - 5 times per year ☐ Less than 1 time per year - please describe:						
4. Additional Co	omments:					
Contact Informa Name:	tion (if willing	to provide):	e e			

Address:

WBID #_ 1032_ Site #_ 917_

Date: 06/28/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

I atituda (111 1111) C	2-1-2-2-07				•
Latitude (ddd.dddd):	38.50729			Arrival Time:	
Longitude (ddd.dddd):				13	40
Photo Ids: Upstream:		Downst		Other:	
Q 629	25	(9)	1324		
6/28		6/28			
Narrative Description	of Location: (De	scribe a	access point to stream, ne	arby roads, landmarks, etc.)
≈90m DS	of site.	916	· (HWY 63	bridge cross	ing)
				J	y /
Surrounding Condition	26*• (Maala -11 41				
Surrounding Condition items of interest.)	is": (Mark all that	promot	e or impede recreational u	ises. Attach photos of evide	ence or unusual
☐ City/county parks	☐ Playgrounds	□м	DC conservation lands	☐ Urban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks	□ Na	ational forests	☐ Nature trails	☐ Stairs/walkway
☐ No trespass sign	☐ Fence	☐ Ste	eep slopes	Other:	□ Stalls/ Walkway
Human Harr Ol	•				
Human Uses Observed	*:				
	☐ Skin diving		☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking		☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping		☐ Fishing	None of the above	7.01
Describe: (include numbe	er of individuals reco	reating,	frequency of use, photo-	documentation of evidence	of recreational uses, etc.)
, ,					
Ev <u>idence of Human Use</u>	. *•				
☐ Roads	☐ Foot paths/print	ts	□ Dock/platform	☐ Livestock Watering	DW/ATVT.
☐ Rope swings	☐ Camping Sites		☐ Fire pit/ring	☐ NPDES Discharge	RV / ATV Tracks
□ Other:			. FA	M DES Discharge	☐ Fishing Tackle
Sources of Pollution: (e.g	., trash dumping, tir	es, drai	nages, discharges, etc.)		

Oad C1 Hil 6/27

Ŵ	BID #()32	_ Site #	917
Da	ate: <u>06/</u>	<u> 28 / </u>	2006	
			D	ata Shee
St	ream Morp Upstream			Dimensio
		Dis	tance from ss point (m	
	☐ Riffle	- Leec	ss point (m	,
	□ Run			
	⊠ Pool	~	100 m	
	-£			

et B - Site Characterization – 2 of 3

ns: Width (m) Length (m) Avg. Depth (m) Max Depth (m) 0.35 lO 0.25 Flow Present? ☐ Yes **⋈** No Velocity (ft/sec): **Downstream View Physical Dimensions:** Distance from Width (m) Length (m) Avg. Depth (m) access point (m) Max Depth (m) □ Riffle □ Run X Pool =108 0.25 0.35 Flow Ø No Present? ☐ Yes Velocity (ft/sec): Substrate*: (These values should add up to 100%.)

			100/0.9				
% Cobble	30	% Gravel	30 % Sand	10	% Silt	30 % Mud/Clay	% Bedrock

Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.)

Floating algae and attached algae, very abundant.

Water Characteristics*: (Mark all that apply.)

Odor:	☐ Sewage	□ Musky	☐ Chemical	None	☐ Other:	
Color:	□ Clear	☐ Green	☐ Gray	Milky	☐ Other:	
Bottom Deposit:	☐ Sludge	□ Solids	Fine sediments	□ None	☐ Other:	
Surface Deposit:	□ Oil	Scum	□ Foam	□ None	☐ Other:	

Ded Gi Air 6/27

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VBID # 1032 Site # 917							
Date: OVI LO I LLOS							
Data Sheet B - Site Characterization - 3 of 3							
Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique locations, problems in measuring, site relocation).	al						

ŴВІD	#	032	Site #	917
Date	06	128	17006	

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

	(Make addition	nal copies as necess	sary for multiple interv	views)				
1. Do you live i	n the area? □ `v long have you							
2. Have you per If so, plea	rsonally used thinse check ALL t	s water body for re hat apply:	creation since 1975?	□ Yes □ No				
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing				
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting				
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:				
3. Have you obs	How often do you use it for recreation? More than 5 times per year 1 - 5 times per year Less than 1 time per year - please describe: 3. Have you observed others using this water body for recreation since 1975? No							
	se check ALL ti							
Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing				
☐ Wind surfing ☐ Hunting	☐ Kayaking	☐ Boating	□ Wading	□ Rafting				
I running	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:				
How often have you observed it being used for recreation? More than 5 times per year 1 - 5 times per year Less than 1 time per year - please describe:								
4. Additional Co	omments:							
Contact Information Name:	tion (if willing	to provide):						

Address:

Date: 06 / 28 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

`	•		F				
Latitude (ddd.dddd): 39	8.50674	***************************************		·	Arrival Time:		
Longitude (ddd.dddd):	12.02869				13	50	
Photo Ids: Upstream:	Ι	owns	stream:		Other:		
(A) 26			27	1	$\frac{1}{2}$,2	
(CAMERA)	a*			Ca	mera)		
Narrative Description o	of Location: (Des	scribe	access point to stream, nea	rby roa	ds, landmarks, etc.)		
N100 m DS of site 917 (x 200 of HWY 63 bridge).							
	V4A044						
Surrounding Condition items of interest.)	s*: (Mark all that p	romo	te or impede recreational u	ses. Att	ach photos of evide	nce or unusual	
☐ City/county parks	☐ Playgrounds		MDC conservation lands	U	rban areas	☐ Campgrounds	
☐ Boating accesses	☐ State parks		National forests	□ Na	ature trails	☐ Stairs/walkway	
☐ No trespass sign	Fence (1)		teep slopes	□ O ₁	her:		
Human Uses Observed*	carne:	ra	В				
☐ Swimming	☐ Skin diving		☐ SCUBA diving	ПП	ubing	☐ Water skiing	
☐ Wind surfing	☐ Kayaking		☐ Boating	□ w	ading	☐ Rafting	
☐ Hunting	☐ Trapping		☐ Fishing	X N	one of the above	☐ Other:	
Describe: (include numbe	r of individuals rec	reatin	g, frequency of use, photo-	docume	ntation of evidence	of recreational uses, etc.)	
Evidence of Human Use	*:						
☐ Roads	☐ Foot paths/prin	ts	☐ Dock/platform	□ Li	vestock Watering	□ RV / ATV Tracks	
☐ Rope swings	☐ Camping Sites		☐ Fire pit/ring	□ NI	PDES Discharge	☐ Fishing Tackle	
☐ Other:							
Sources of Pollution: (e.g	trash dumping ti	res. di	rainages discharges etc.)	***************************************			
1.3	off ditc	^					
	off and	·V					
			Camura B		•		

00d Cr Hel 6/28

WRID#	1032 Site#	31⊀			
	<u>18 / 2006</u>	110			4
		Sheet B - Site Ch	aracterization – 2	of 3	
Stream Mor	phology:			01.5	
Upstream	Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle					
☐ Run					
> Pool	180	5	20	0.3	0.5
Flow	Present?	_IX_No	Velocity (ft/sec):	<u> </u>	
Downstre	am View Physical D	imensions:	T		
		Width (m)	Length (m)	Avg. Denth (m)	May Donth (m)
	access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
☐ Riffle		Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
	access point (m)	Width (m)			
Run	access point (m) 200	6	Length (m) J O Velocity (ft/sec):	Avg. Depth (m)	Max Depth (m)
□ Run	access point (m) 200 Present?	No lup to 100%.)	10		
□ Run	access point (m) 200 Present?	No	Velocity (ft/sec):		
Run Pool Flow Substrate*: 5 % Aquatic Vege	Access point (m) 200 Present? Yes (These values should add of Cobble 30 % G	I up to 100%.) Travel 30 % state of vegetation or algal	Velocity (ft/sec): Sand 5 %	Silt 30 % Mud/Clay	0.3
Run Pool Flow Substrate*: 5 % Aquatic Vege	access point (m) 200 Present? Yes (These values should add of Cobble 30 % G	I up to 100%.) travel 30 % state of vegetation or algal	Velocity (ft/sec): Sand 5 % growth at the assessme	Silt 30 % Mud/Clay	0.3
Run Pool Flow Substrate*: 5 % Aquatic Vege	access point (m) 200 Present? Yes (These values should add of Cobble 30 % G	I up to 100%.) travel 30 % state of vegetation or algal	Velocity (ft/sec): Sand 5 % growth at the assessme	Silt 30 % Mud/Clay	0.3
Run Pool Flow Substrate*: 5 % Aquatic Vege Moder Abunc	Access point (m) 200 Present? Yes (These values should add of Cobble 30 % G	I up to 100%.) Travel 30 %: t of vegetation or algal Sofatache Nto 0f flo	Velocity (ft/sec): Sand 5 % growth at the assessme	Silt 30 % Mud/Clay	0.3

☐ Foam

□ None

☐ Other:

Scum

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Oad Ci Lih 0/28

□ Oil

Surface Deposit:

WBID # 1032 Site # 918	5
Date: 06 / 28 / 2006	
Data Sheet B - Site Characterization - 3 of 3	
Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).	

WBID# 1032 Site# 918

Date: 06/28/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C - Interviews

(Make additional copies as necessary for multiple interviews)

	in the area? Volume long have you		·	,
2. Have you per If so, plea	rsonally used thi	s water body for re hat apply:	ecreation since 1975?	□ Yes □ No
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
3. Have you obs	☐ 1 – 5 times ☐ Less than ☐————————————————————————————————————	5 times per year s per year l time per year – pl	lease describe:	
If so, plea	ise check ALL t	hat apply:	T	
Swimming	Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
[for recreation?	
4. Additional Co	omments:			
Contact Informa Name:	ation (if willing	to provide):		

Address:

Date: 06/28/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

Latitude (ddd.dddd):					
(38.50542	Arrival Time:			
Longitude (ddd.dddd):	92.02615	1645			
Photo ids: Upstream:		ownstream:	Other: 17		
1/1/15		16	17		
			, , ,		
arrative Description	of Location: (Desc	cribe access point to stream, nea	arby roads, landmarks, etc.)		
at bridge	CNUSSIBIG	α			
		- Treatment and the second and the s			
urrounding Conditio	make (M. J. III II				
ems of interest.)	us": (Mark all that pi	romote or impede recreational u	ses. Attach photos of evide	nce or unusual	
☐ City/county parks	☐ Playgrounds	☐ MDC conservation lands	☐ Urban areas	☐ Campgrounds	
☐ Boating accesses	☐ State parks	☐ National forests	☐ Nature trails	☐ Stairs/walkway	
☐ No trespass sign	Fence (17)	☐ Steep slopes	☐ Other:		
Iuman Uses Observed	<u> *:</u>				
	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing	
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting	
to white starting					
☐ Hunting	☐ Trapping per of individuals recre	☐ Fishing eating, frequency of use, photo-	None of the above	Other:	
☐ Hunting	per of individuals recre	☐ Fishing eating, frequency of use, photo-	None of the above	Other:	
☐ Hunting Describe: (include numb	per of individuals recre	eating, frequency of use, photo-	None of the above	Other: of recreational uses, etc.)	
Describe: (include numb	per of individuals recre	eating, frequency of use, photo-	None of the above documentation of evidence	☐ Other: of recreational uses, etc.)	
☐ Hunting Describe: (include number) Vidence of Human Use	se*:	eating, frequency of use, photo-	None of the above	Other: of recreational uses, etc.	
□ Hunting Describe: (include number of Human Use) Roads □ Rope swings Other: YVY OF	Se*: Description: Foot paths/print: Camping Sites	s ☐ Dock/platform ☐ Fire pit/ring	None of the above documentation of evidence	☐ Other: of recreational uses, etc.	
□ Hunting Describe: (include number of Human Us) □ Roads □ Rope swings ○ Other: YVY Of ources of Pollution: (e)	Se*: Description Foot paths/print Camping Sites (S) .g., trash dumping, tires	eating, frequency of use, photo-	None of the above accumentation of evidence Livestock Watering NPDES Discharge	☐ Other: of recreational uses, etc.) ☐ RV / ATV Tracks ☐ Fishing Tackle	

Oced Of His ofra

Ç,	mm 4 1	1022 84 11 0	R10				
		032 Site # 9				4	
D	ate:	28 1 2006					
		Data	Sheet B - Site Chara	acterization – 2 of 3			
St	ream Morp Upstream	phology: View Physical Dim	iensions:				
		Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)	
	□ Riffle						
	□ Run						
	Pool	285	8	15	1.8	1.1	
	□ Flow	Present?	No '	Velocity (ft/sec):			
	Downstrea	ım View Physical D	Dimensions:				
		Distance from access point (m)	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)	
	☐ Riffle						
	□ Run					**************************************	
	⊅ Pool	300	5	1.5	0.35	0.5	
	☐ Flow	Present? Yes	OKĮ No	Velocity (ft/sec):	-		
Su	·hetrata*• (These values should add	J 4- 1000/)				
Эu			Gravel 37 % San	nd /() % Silt	30% Mud/Clay	% Bedrock	
	<u> </u>			10 /0 /)(/0 111dd Clay	/o Deutock	
Ac			t of vegetation or algal gro		e.)		
	Massive amounts of floating algae.						
W	ater Chara	cteristics*: (Mark all	that apply.)				
	Odor:	☐ Sewage		nemical	Other:	Maar	
ļ	Color:	☐ Clear	⊠ Green □ Gr	. 1		3.912	

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☐ Foam

Fine sediments

□ None

☐ None

 \square Other:

☐ Other:

☐ Other:

☐ Sludge

□ Oil

☐ Solids

Scum

Bottom Deposit:

Surface Deposit:

WBID# 1032 Site# 919

Date: 06 / 28 / 2006

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).						

WBID # 1032 Site # 919

Date: 06/19/ 100%

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C - Interviews

(Make additional copies as necessary for multiple interviews)

 Do you live in the area? ☐ Yes ☐ No If so, how long have you lived here?							
☐ Swimming	If so, please check ALL that apply:						
	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing			
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting			
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:			
3. Have you obs	☐ 1 – 5 times ☐ Less than ————————————————————————————————————	1 time per year – p	lease describe:	975? □ Yes □ No			
If so, plea	se check ALL t	hat apply:					
Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing			
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting			
☐ Hunting	□ Trapping	☐ Fishing	☐ None of the above	☐ Other:			
How often have you observed it being used for recreation? More than 5 times per year 1 - 5 times per year Less than 1 time per year - please describe:							
4. Additional Comments:							

Address:

Telephone #:

WBID# 1032 Site# 920

Date: 06/ 28/ 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(2	(A separate Data Sheet B must be completed for each site)						
Latitude (ddd.dddd): 3	Latitude (ddd.dddd): 38.50645				Arrival Time:		
Longitude (ddd.dddd): C	12.02610			17	20		
Photo Ids: Upstream:	hoto Ids: Upstream: Downstr			Other:			
(B) 19			20	21,2	2		
Narrative Description	of Locations (De			,			
Private popul	Private poperty, accessed stream by asking for permission, dirt (private) road to stream.						
Surrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual items of interest.)							
☐ City/county parks	☐ Playgrounds		MDC conservation lands	☐ Urban areas	☐ Campgrounds		
☐ Boating accesses	☐ State parks		National forests	☐ Nature trails	☐ Stairs/walkway		
☐ No trespass sign	☐ No trespass sign ☐ Fence ☐ St		teep slopes	Other: Private	Farm		
Human Uses Observed	* • • • • • • • • • • • • • • • • • • •						
☐ Swimming	☐ Skin diving		☐ SCUBA diving	☐ Tubing	☐ Water skiing		
☐ Wind surfing	☐ Kayaking		☐ Boating	□ Wading	☐ Rafting		
☐ Hunting	☐ Trapping		☐ Fishing	None of the above	☐ Other:		
	Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)						
Evidence of Human Use				${\sqrt{23}}$			
☐ Roads ☐ Foot paths/prints		☐ Dock/platform	Livestock Watering	☐ RV / ATV Tracks			
☐ Rope swings ☐ Camping Sites			☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle		
Other: Carril Pl	Other: cattle pathway into stream (21)						
Sources of Pollution: (e.g	g., trash dumping, ti	res, di	rainages, discharges, etc.)				
CATTLE WA	-57E						
	_ ()						

APHOTOS LABELED SITE 9/9 BUT SHOULD BE 920 Orad Car Hill 6/78

Date: 06/28/2006

Data Sheet B - Site Characterization - 2 of 3

Stream Morphology:

11 14101	Phology:	-
Upstream	Phology: View Physical Dimensio	
34111	View Physic	
1	Thysical Dime	
L	Distance C Diffensio	na.

-	Physical D.			2 of 3	
	Distance from	mensions.			
D Diam	access point (m)				
☐ Riffi	1	Width (m)			
☐ Run		(***)	Length (m)		
			8·11 (III)	Avg D	
Pool	175		_	Avg. Depth (m)	N.
Flow					Max Depth
TIOW	Present?	_ 2 _	<u> </u>		
D _{o-}	Yes Yes	No	20		
Downstre	am View Physical Dim Distance from access point	710	Vale	8 11	
	View Physical D:		Velocity (ft/sec):	0.4	
	Distance from	ensions:			-0.5^{-1}
☐ Riffle	access point (m)	Was			
ine		Width (m)			

Di Physical	Dia	velocity (ft/sec):	0.4	
Distance from	imensions:			10.5
Riffle access point (m)	Width (m)			
□ Run	(m)	Length		
\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		Length (m)	Ava	-
Pool		_	Avg. Depth (m)	M
Flow Press	2			Max Depth (m)
- resent?	2	3 (
Substrate*.	No			
Substrate*: (These values should add up	V_{ϵ}	elocity (ft/sec):	0,45	
% Cobble	to 100%	(40,500):		0,7
Aquatic Veget				
V Agrad	70 %			

Aquatic Vegetats	30 % Gravel	20 % s . 1			
massive	On*: (Note amount of vege	Station	% Silt 50		
	of flo	XAHOA OLO	assessment	% Mud/Clay	% Bedrock
Vater Characteris		Jagar.	site.)		OCK
Odor:	UCS*: (Mark all				

Water Characteristics*: (Mark all that apply.)

	Wark	all +L		_		_
Color:	☐ Sewage	all that apply.)				
	Truge	□ Musky				
Bottom Deposit:	□ Clear		☐ Chemical		_	
Su-c	□ Sludge	□ Green	De	□ None		_
Surface Deposit:		☐ Solids	☐ Gray	1	Other:	
	L 1 (N)		Fine sedimen	Milky		_
his information		Scum	- sedimen	its \square Non	Other:	I
derstanding of	to be used		□ Foam	- 1 volle	☐ Other:	 l
analysis but me-	onditions C	for removal		□ None		
- may poin	t to condition	luently, this is a	ecreational		Other:	
This information is not derstanding of water contains analysis but may poin	additions that	it need further	nation is not	gnation but		

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive this information is not intended to directly influence a decision on the recreation *This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive use analysis but may point to conditions that need further analysis or that affect another use. understanding of water conditions. Consequently, this information is not intended to directly use analysis but may point to conditions that need further analysis or that affect another use.

Red Colishi 6/28

WBID# 1032 Site# 920
Date: 06/28/2006

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).					

WBID #_	1032	Site #	920

Date: 06/28/2006

Telephone #:

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

2. Have you pe		lived here?is water body for rehat apply:	ecreation since 1975?	□ Yes □ No						
☐ Swimming	The state of the s									
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting						
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:						
3. Have you ob	☐ 1 – 5 times ☐ Less than	1 time per year – p ing this water body	lease describe:	975? □ Yes □ No						
☐ Swimming	☐ Skin diving	□ SCUBA diving	☐ Tubing	☐ Water skiing						
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting						
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:						
4. Additional Co	omments:									

WBID # 1032 Site # 921

Date: 06/28/2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet B - Site Characterization - 1 of 3

(A separate Data Sheet B must be completed for each site)

		Dilcc	t B must be completed	101 6	ich site)	
Latitude (ddd.dddd):	38.50676			···	Arrival Time:	
Longitude (ddd.dddd):	92.02509				17	40
Photo Ids: Upstream:	75 ^I	Downs	stream: 26		Other:	
B	C		<i></i>		27	
Narrative Description	of Location: (De	ecriba	access point to stroom	1.	.1. 1. 1	
			65 point (31)			
) ≈ 1ψ0 VV) - FO (21		i 4/28	120)
Surrounding Condition tems of interest.)	ns*: (Mark all that p	oromo	te or impede recreational u	ıses. At	tach photos of evide	nce or unusual
☐ City/county parks	☐ Playgrounds		MDC conservation lands	ו 🗆 נ	Jrban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks		National forests		ature trails	☐ Stairs/walkway
☐ No trespass sign	☐ Fence	□s	teep slopes	Xc	ther: private	Farm
Iuman Uses Observed	!*:				•	
☐ Swimming	☐ Skin diving		☐ SCUBA diving		Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking		☐ Boating	□ v	Vading	☐ Rafting
☐ Hunting	□ Trapping		☐ Fishing	X	None of the above	☐ Other:
Describe. (metude nume	er of individuals rec	eann	g, frequency of use, photo-	documé	entation of evidence	of recreational uses, etc.)
vidence of Human Us	e*:					
☐ Roads	☐ Foot paths/prin	ts	☐ Dock/platform	X L	vestock Watering	☐ RV / ATV Tracks
☐ Rope swings	☐ Camping Sites		☐ Fire pit/ring		PDES Discharge	☐ Fishing Tackle
☐ Other:					-	
ources of Pollution: (e.	g., trash dumping, ti	es, dr	ainages, discharges, etc.)			
CATTLE h			5,			

Oced Cr Hil 6/28

WBID# 1032 Site# 921 4 Date: <u>06/28/2006</u> Data Sheet B - Site Characterization - 2 of 3 Stream Morphology: **Upstream View Physical Dimensions:** Distance from Width (m) Length (m) Avg. Depth (m) Max Depth (m) access point (m) ☐ Riffle ☐ Run 170 🔀 Pool 0.6 25 0.8 ☐ Flow Present? ☐ Yes Velocity (ft/sec): X No **Downstream View Physical Dimensions:** Distance from Width (m) Length (m) Avg. Depth (m) Max Depth (m) access point (m) ☐ Riffle □ Run ∠ Pool 15 0.7 0.6 Flow ☐ Yes Present? Velocity (ft/sec): Substrate*: (These values should add up to 100%.) 30 % Gravel % Cobble % Sand % Silt | 50 % Mud/Clay % Bedrock Aquatic Vegetation*: (Note amount of vegetation or algal growth at the assessment site.) massive amounts of floating green algal.

Water Characteristics*: (Mark all that apply)

Odor:	☐ Sewage	☐ Musky	☐ Chemical	None	Other:
Color:	□ Clear	Green	☐ Gray	Milky	☐ Other:
Bottom Deposit:	☐ Sludge	□ Solids	Fine sediments	□ None	☐ Other:
Surface Deposit:	□ Oil	Scum	☐ Foam	□ None	☐ Other:

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WBID	#	1032	Site	# 92	1
Data:	061	981	7006		

Data Sheet B - Site Characterization - 3 of 3

Comments: Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).	
	_
	_
	_
	_

WBID #_	1032	_Site#	921
20	~~~		

Date: 06 / 28 / 2006

Field Data Sheets for Recreational Use Stream Surveys

Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

2. Have you pe	v long have you rsonally used thi ase check ALL t	is water body for re	ecreation since 1975?	□ Yes □ No
	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking	☐ Boating	☐ Wading	☐ Rafting
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:
3. Have you ob	served others us	1 time per year – p	for recreation since 1	
Swimming □	ase check ALL to			
☐ Wind surfing	☐ Kayaking	☐ SCUBA diving ☐ Boating	☐ Tubing ☐ Wading	☐ Water skiing
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Rafting ☐ Other:
	☐ More than ☐ 1 - 5 times ☐ Less than ☐			
4. Additional Co	minens:			

Address:

Telephone #:

1 Sept. 18 Sept.

WBID # 1032 Site # 922

Date: 06/28/2006

Field Data Sheets for Recreational Use Stream Surveys

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$u_{O_{\lambda}}$	-

Data Sheet B - Site Characterization - 1 of 3 (A separate Data Sheet B must be completed for each

()	A separate Data	31166	t B must be completed	tor ea	ch site)	
Latitude (ddd.dddd): 36	8.50592				Arrival Time:	
Longitude (ddd.dddd):	12.02412				1755	- -
Photo Ids: Upstream:		own	stream:		Other:	
$\left(\left(\right) \right)$			2		3 (+
Narrative Description of	of Location: (Des	cribe	access point to stream, nea	arby roa	ds, landmarks, etc.)	
2300 from	Access po	11	H(DS).			
Surrounding Condition items of interest.)	s*: (Mark all that p	romo	ote or impede recreational u	ises. Att	ach photos of evider	nce or unusual
☐ City/county parks	☐ Playgrounds		MDC conservation lands	□ U	rban areas	☐ Campgrounds
☐ Boating accesses	☐ State parks		National forests		ature trails	☐ Stairs/walkway
☐ No trespass sign	☐ Fence		teep slopes	X(o	her:	
Human Uses Observed*	•					
☐ Swimming	☐ Skin diving		☐ SCUBA diving	ПΠ	ubing	☐ Water skiing
☐ Wind surfing	☐ Kayaking		☐ Boating	□ w	ading	☐ Rafting
☐ Hunting	☐ Trapping		☐ Fishing	XN	one of the above	□ Other:
Describe: (include numbe	r of individuals recr	eatin	g, frequency of use, photo-	doćume	ntation of evidence	of recreational uses, etc.)
Evidence of Human Use	*:					
Roads XING (4)	☐ Foot paths/print	s	☐ Dock/platform	Li	vestock Watering	X RV / ATV Tracks 4)
☐ Rope swings	☐ Camping Sites		☐ Fire pit/ring	□ NI	DES Discharge	☐ Fishing Tackle
☐ Other:						
Sources of Pollution: (e.g	., trash dumping, tir	es, di	ainages, discharges, etc.)			
CAY FITTA)	TE					

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. 61.10	32 Si	***************************************				4
te: <u>()(, 19</u>	18 / 200)(<u>e</u>				
		Data	Sheet B - Site Ch	aracterization – 2	of 3	
eam Morp Upstream	ohology: View Phys	sical Dim	ensions:			
	Distance access pe	e from	Width (m)	Length (m)	Avg. Depth (m)	Max Depth (m)
□ Riffle						
□ Run						
Pool	28	38	3	12	0.4	0.6
~~~					•	Ι
∕XFlow Oownstrea			imensions:	Velocity (ft/sec):		
	m View P	hysical D		Velocity (ft/sec):  Length (m)	Avg. Depth (m)	Max Depth (m)
Oownstrea	m View P	hysical D	imensions:		Avg. Depth (m)	Max Depth (m)
Downstrea	m View P	hysical D	imensions:		Avg. Depth (m)	Max Depth (m)
Oownstrea  □ Riffle	m View P	hysical D e from bint (m)	imensions:			
Downstrea	m View P Distance access po	hysical D e from bint (m)	imensions: Width (m)		Avg. Depth (m)	Max Depth (m)
Oownstrea  Riffle Run Pool	m View P Distance access po	hysical Definition (m)	imensions: Width (m)	Length (m)		
Oownstrea	m View P Distance access po	hysical Defrom bint (m)	imensions: Width (m)  No up to 100%.)	Length (m)  20 Velocity (ft/sec):	0.45	7.6
Oownstrea  Riffle Run Pool	m View P Distance access po	hysical Definition (m)	imensions: Width (m)	Length (m)		
Downstrea	Present?  These values  Cobble	hysical Die from bint (m)  O Yes should add	imensions: Width (m)  No  up to 100%.) ravel 20 %	Length (m)  20 Velocity (ft/sec):	0.45 Silt 40 % Mud/Clay	D .6

Odor:	☐ Sewage	□ Musky	☐ Chemical	None	☐ Other:	
Color:	☐ Clear	☐ Green	☐ Gray	⊠Milky	☐ Other:	
Bottom Deposit:	☐ Sludge	☐ Solids	Krine sediments	□ None	☐ Other:	· · · · · · · · · · · · · · · · · · ·
Surface Deposit:	□ Oil	X Scum	☐ Foam	□ None	☐ Other:	

^{*}This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that affect another use.

WBID# 1032 Site# 922

Date: 06 / 28 / 06

#### Data Sheet B - Site Characterization - 3 of 3

<b>Comments:</b> Please describe any departures from protocol and the reasons for departure (e.g., unanticipated unique local conditions, problems in measuring, site relocation).	
	-
	-
	_

WBID #	1032	Site #	922

Date: 06/28 /2006

#### Field Data Sheets for Recreational Use Stream Surveys

#### Data Sheet C – Interviews

(Make additional copies as necessary for multiple interviews)

Do you live in the area? □ Yes □ No     If so, how long have you lived here?							
2. Have you personally used this water body for recreation since 1975? ☐ Yes ☐ No If so, please check ALL that apply:							
☐ Swimming	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing			
☐ Wind surfing	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting			
☐ Hunting	☐ Trapping	☐ Fishing	☐ None of the above	☐ Other:			
How often do you use it for recreation?  More than 5 times per year  1 - 5 times per year  Less than 1 time per year - please describe:  3. Have you observed others using this water body for recreation since 1975?  No							
	se check ALL the						
☐ Swimming ☐ Wind surfing	☐ Skin diving	☐ SCUBA diving	☐ Tubing	☐ Water skiing			
☐ Hunting	☐ Kayaking	☐ Boating	□ Wading	☐ Rafting			
Hunting							
Contact Informa Name:		to provide):					

Address:

Telephone #:



Site# 911 Photo ID# 13, Upstream



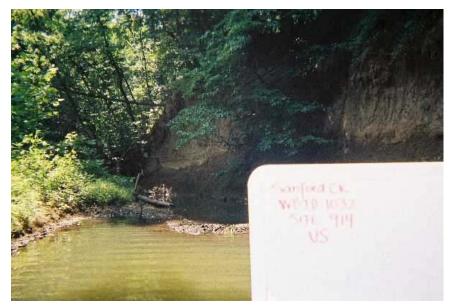
Site# 912 Photo ID# 11, Upstream



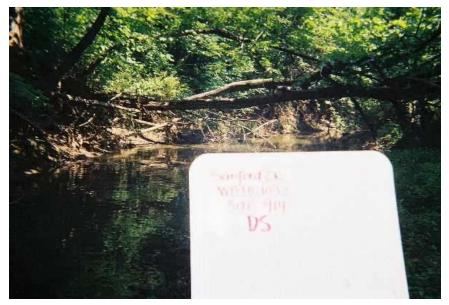
Site# 911 Photo ID# 14, Downstream



Site# 912 Photo ID# 12, Downstream



Site# 913 Photo ID# 8, Upstream



Site# 913 Photo ID# 9, Downstream



Site# 913 Photo ID# 10, Slopes



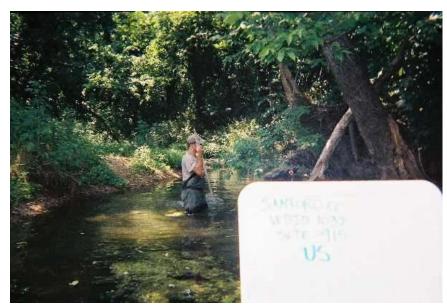
Site# 914 Photo ID# 5, Upstream



Site# 914 Photo ID# 6, Downstream



Site# 914 Photo ID# 7, Steep banks



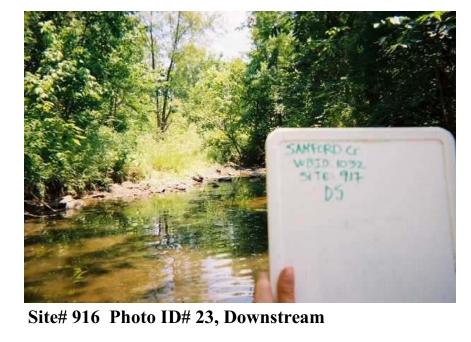
Site# 915 Photo ID# 4, Upstream



Site# 915 Photo ID# 3, Downstream



Site# 916 Photo ID# 22, Upstream





Site# 917 Photo ID# 25, Upstream



Site# 917 Photo ID# 24, Downstream



Site# 918 Photo ID# 26, Upstream



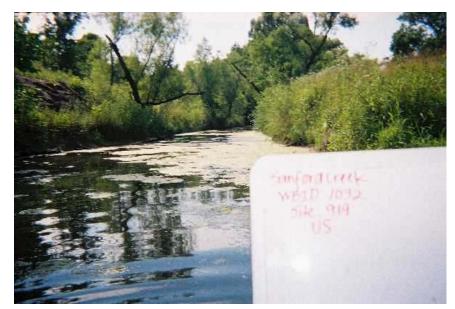
Site# 918 Photo ID# 1, Fence



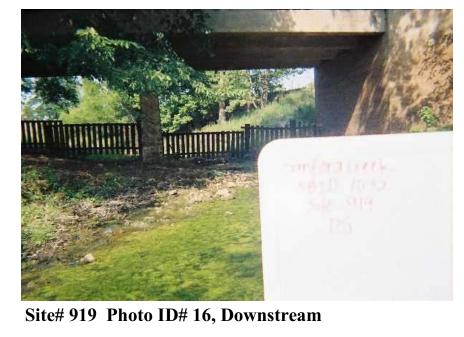
Site# 918 Photo ID# 27, Downstream



Site# 918 Photo ID# 2, Ditch



Site# 919 Photo ID# 15, Upstream





Site# 919 Photo ID# 17, Fence



Site# 919 Photo ID# 18, Runoff



Site# 920 Photo ID# 19, Upstream



Site# 920 Photo ID# 20, Downstream



Site# 920 Photo ID# 21, Cattle path



**Site# 920 Photo ID# 22, Cow** 



Site# 921 Photo ID# 25, Upstream



Site# 921 Photo ID# 26, Downstream



Site# 921 Photo ID# 27, Cattle access



Site# 922 Photo ID# 1, Upstream



Site# 922 Photo ID# 2, Downstream



Site# 922 Photo ID# 3, Cattle access



Site# 922 Photo ID# 4, ATV tracks